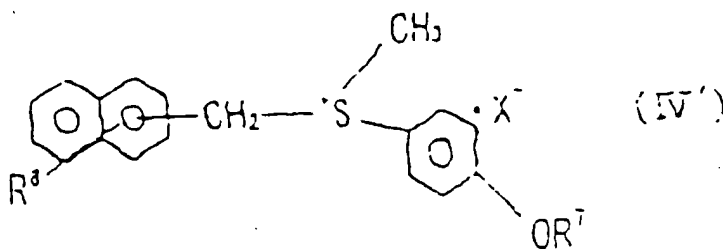
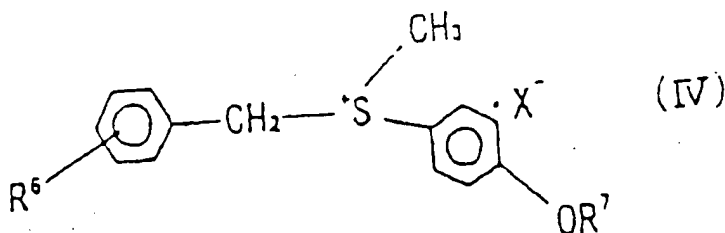


**IN THE CLAIMS**

Please amend claims 1 and 8 as follows:

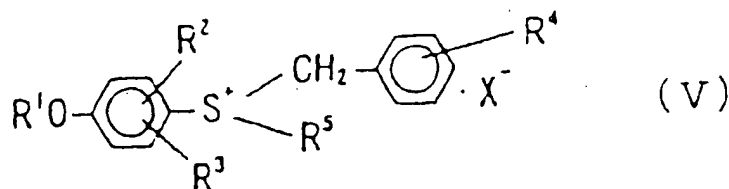
1. (Currently Amended): An energy-ray curing resin composition comprising a photopolymerizable resin component which can be cured by irradiation with an energy ray, a photopolymerization initiator component which makes it possible to cure by chain reaction said photopolymerizable resin component with irradiation of an energy ray, and a curing agent component capable of curing at least one of said photopolymerizable resin components without irradiation of an energy ray,

wherein said curing agent component comprises an acid anhydride or a derivative thereof, said photopolymerization initiator component comprises a sulfonium salt, the sulfonium salt being a photo-thermopolymerization initiator which can initiate polymerization by both of light and heat, and being represented by the following general formula (IV), (IV'), or (V):



U.S. Patent Application Serial No. 09/664,332  
 Amendment dated October 22, 2003  
 Reply to OA of July 24, 2003

in Formula (IV) or (IV') described above,  $R^6$  represents hydrogen, halogen, a nitro group or a methyl group;  $R^7$  represent hydrogen,  $\text{CH}_3\text{CO}$ , or  $\text{CH}_3\text{OCO}$ ; and  $X^-$  represents  $\text{SbF}_6^-$ ,  $\text{PF}_6^-$ ,  $\text{AsF}_6^-$  or  $\text{BF}_4^-$ ;



in Formula (V) described above,  $R^1$  represents hydrogen, a methyl group, an acetyl group, or a methoxycarbonyl group;  $R^2$  and  $R^3$  each independently represent hydrogen, halogen or an alkyl group of  $\text{C}_1$  to  $\text{C}_4$ ;  $R^4$  represents hydrogen, halogen or a methoxy group;  $R^5$  represents an alkyl group of  $\text{C}_1$  to  $\text{C}_4$ ; and  $x$  represents  $\text{SbF}_6^-$ ,  $\text{PF}_6^-$ ,  $\text{AsF}_6^-$  or  $\text{BF}_4^-$ , and

wherein said curing agent component is present with a proportion of 0.3 to 1.4 mol per mol of said photopolymerizable resin component which can react with said curing agent component,

wherein said photopolymerization initiator component is present with a proportion of 0.1 to 6.0 parts by weight per 100 parts by weight of the whole weight of the other components than the photopolymerization initiator component.

2. (Original): The energy-ray curing resin composition as described in claim 1, further comprising a curing accelerator component which accelerates curing when curing at least one of said

U.S. Patent Application Serial No. **09/664,332**  
Amendment dated October 22, 2003  
Reply to OA of **July 24, 2003**

photopolymerizable resin components and said curing agent component without irradiation of an energy ray.

3. (Previously Presented): The energy-ray curing resin composition as described in claim 2, comprising an epoxy resin component having a cyclic ether structure in a molecular structure as the photopolymerizable resin component.

4-5. (Canceled)

6. (Previously Presented): The energy-ray curing resin composition as described in claim 2, comprising a monohydric or polyhydric alcohol as the curing accelerator component.

7. (Previously Presented): The energy-ray curing resin composition as described in claim 3, wherein said curing accelerator component comprises a compound which can react with the epoxy resin component and which does not have a nitrogen atom in a molecular structure.

8. (Currently Amended): The energy-ray curing resin composition as described in claim 3, comprising ~~3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate~~ 3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate as the photopolymerizable resin component.

U.S. Patent Application Serial No. **09/664,332**  
Amendment dated October 22, 2003  
Reply to OA of **July 24, 2003**

9. (Withdrawn): The energy-ray curing resin composition as described in claim 4, comprising maleic anhydride or a derivative thereof as the acid anhydride or derivative thereof.

10. (Previously Presented): The energy-ray curing resin composition as described in claim 6, comprising polyethylene glycol as the alcohols.

11. (Canceled).

12. (Previously Presented): The energy-ray curing resin composition as described in claim 2, wherein the curing accelerator component is present with a proportion of 0.04 to 0.6 mol per mol of the curing agent composition.

13-16. (Canceled).

17. (Withdrawn): The energy-ray curing resin composition as described in claim 1, wherein the photopolymerization initiator component comprises a photopolymerization initiator comprising a binary or higher system containing a photopolymerization initiator and a photo-thermopolymerization initiator.

18. (Withdrawn): The energy-ray curing resin composition as described in claim 17, wherein the polymerization initiator component comprising the binary or higher system contains at least one

U.S. Patent Application Serial No. **09/664,332**  
Amendment dated October 22, 2003  
Reply to OA of **July 24, 2003**

of aryl base sulfonium salts or the iron-allene base compounds as the photopolymerization initiator and at least one of the sulfonium salts represented by Formula (IV), (IV') or (V) as the photo-thermopolymerization initiator.

19. (Withdrawn): The energy-ray curing resin composition as described in claim 17, wherein the polymerization initiator component comprising the binary or higher system contains the photo-thermopolymerization initiator in a proportion of 10 to 100 % by weight.

20. (Canceled)

21. (Withdrawn): An energy-ray curing resin-molded article obtained by curing the energy-ray curing resin composition as described in claim 1.

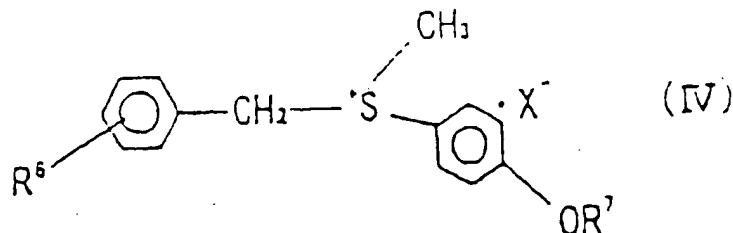
22. (Previously Presented): A paste material comprising the energy-ray curing resin composition as described in claim 1.

23. (Withdrawn): A composite molding material comprising the energy-ray curing resin composition as described in claim 1.

24. (Withdrawn): An adhesive comprising the energy-ray curing resin composition as described in claim 1.

25. (Withdrawn): A coating material comprising the energy-ray curing resin composition as described in claim 1.

26. (Withdrawn and currently amended): A paste material according to claim 22, wherein the ~~photopolymerizable~~ photopolymerizable resin component is 3, 4-epoxycyclohexylmethyl-3,4-epoxycyclohexanecarboxylate as the photopolymerizable resin component, wherein the photopolymerization initiator component is a sulfonium salt represented by the following Formula (IV)

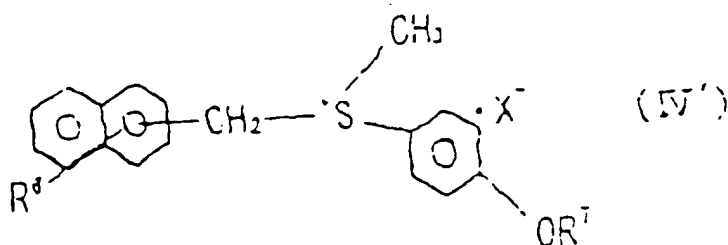
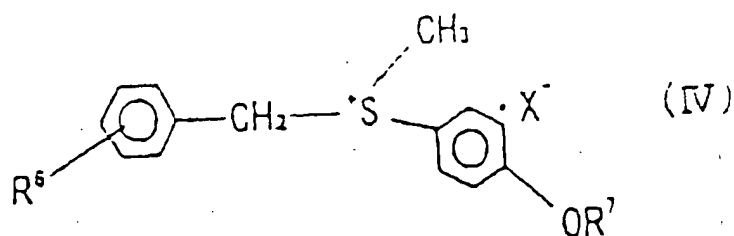


here  $R^6$  represents hydrogen, halogen, a nitro group or a methyl group,  $R^7$  represents hydrogen,  $CH_3CO$  or  $CH_3OCO$ ; and  $X^-$  represents  $AsF_6^-$ , and wherein the curing accelerator is polyethylene glycol.

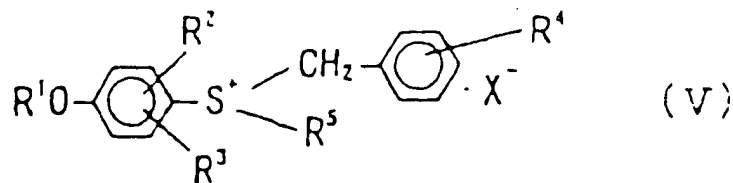
27. (Previously Presented): A composition for an energy-ray curing resin-molded article comprising a photopolymerizable resin component which can be cured by irradiation with an energy ray, a photopolymerization initiator component which makes it possible to cure said photopolymerizable resin component with irradiation of an energy ray, and a curing agent component capable of curing at least one of said photopolymerizable resin components without irradiation of

an energy ray,

wherein said curing agent component comprises an acid anhydride or a derivative thereof, said photopolymerization initiator component comprises a sulfonium salt, the sulfonium salt being a photo-thermopolymerization initiator which can initiate polymerization by both of light and heat, and being represented by the following general formula (IV), (IV'), or (V):



in Formula (IV) or (IV') described above,  $R^6$  represents hydrogen, halogen, a nitro group or a methyl group;  $R^7$  represents hydrogen,  $\text{CH}_3\text{CO}$ , or  $\text{CH}_3\text{OCO}$ ; and  $X^-$  represents  $\text{SbF}_6^-$ ,  $\text{PF}_6^-$ ,  $\text{AsF}_6^-$  or  $\text{BF}_4^-$ ;



in Formula (V) described above, R<sup>1</sup> represents hydrogen, a methyl group, an acetyl group, or a methoxycarbonyl group; R<sup>2</sup> and R<sup>3</sup> each independently represent hydrogen, halogen or an alkyl group of C<sub>1</sub> to C<sub>4</sub>; R<sup>4</sup> represents hydrogen, halogen or a methoxy group; R represents an alkyl group of C<sub>1</sub> to C<sub>4</sub>; and x represents SbF<sub>6</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>, AsF<sub>6</sub><sup>-</sup> or BF<sub>4</sub><sup>-</sup>;

wherein said curing agent component is present with a proportion of 0.3 to 1.4 mol per mol of said photopolymerizable resin component which can react with said curing agent component,

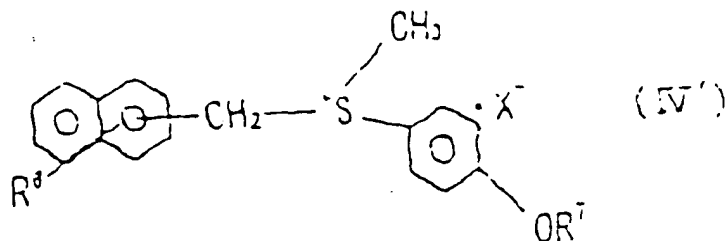
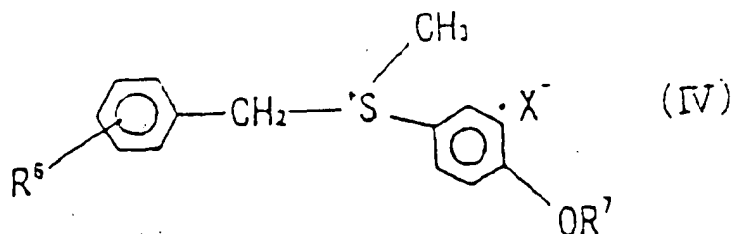
wherein said photopolymerization initiator component is present with a proportion of 0.1 to 6.0 parts by weight per 100 parts by weight of the whole weight of the other components than the photopolymerization initiator component.

28. (Previously Presented): An energy-ray curing resin composition for a paste material comprising a photopolymerizable resin component which can be cured by irradiation with an energy ray, a photopolymerization initiator component which makes it possible to cure said photopolymerizable resin component with irradiation of an energy ray, and a curing agent component capable of curing at least one of said photopolymerizable resin components without irradiation of an energy ray,

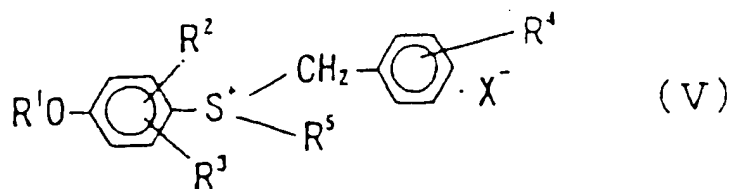
wherein said curing agent component comprises an acid anhydride or a derivative thereof, said photopolymerization initiator component comprises a sulfonium salt, the sulfonium salt being



a photo-thermopolymerization initiator which can initiate polymerization by both of light and heat, and being represented by the following general formula (IV), (IV'), or (V):



in Formula (IV) or (IV') described above,  $R^6$  represents hydrogen, halogen, a nitro group or a methyl group;  $R^7$  represents hydrogen,  $\text{CH}_3\text{CO}$ , or  $\text{CH}_3\text{OCO}$ ; and  $X^-$  represents  $\text{SbF}_6^-$ ,  $\text{PF}_6^-$ ,  $\text{AsF}_6^-$  or  $\text{BF}_4^-$ ;



in Formula (V) described above,  $R^1$  represents hydrogen, a methyl group, an acetyl group, or a methoxycarbonyl group;  $R^2$  and  $R^3$  each independently represent hydrogen, halogen or an alkyl group

U.S. Patent Application Serial No. **09/664,332**  
Amendment dated October 22, 2003  
Reply to OA of **July 24, 2003**

of C<sub>1</sub> to C<sub>4</sub>; R<sup>4</sup> represents hydrogen, halogen or a methoxy group; R<sup>5</sup> represents an alkyl group of C<sub>1</sub> to C<sub>4</sub>; and x represents SbF<sub>6</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>, AsF<sub>6</sub><sup>-</sup> or BF<sub>4</sub><sup>-</sup>;

wherein said curing agent component is present with a proportion of 0.3 to 1.4 mol per mol of said photopolymerizable resin component which can react with said curing agent component,

wherein said photopolymerization initiator component is present with a proportion of 0.1 to 6.0 parts by weight per 100 parts by weight of the whole weight of the other components than the photopolymerization initiator component.